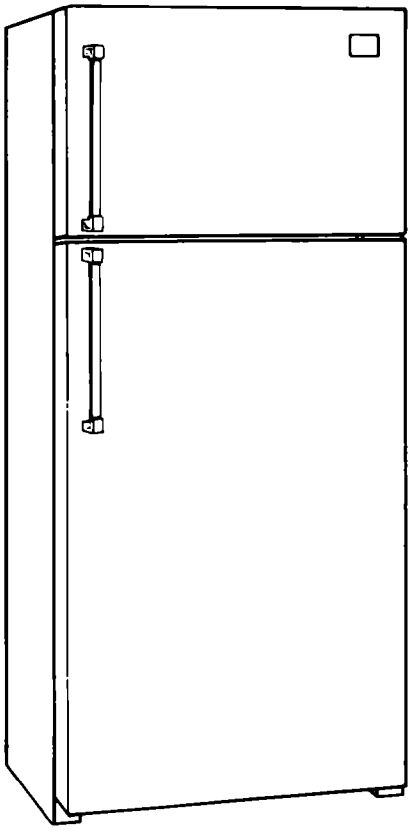
use&care guide



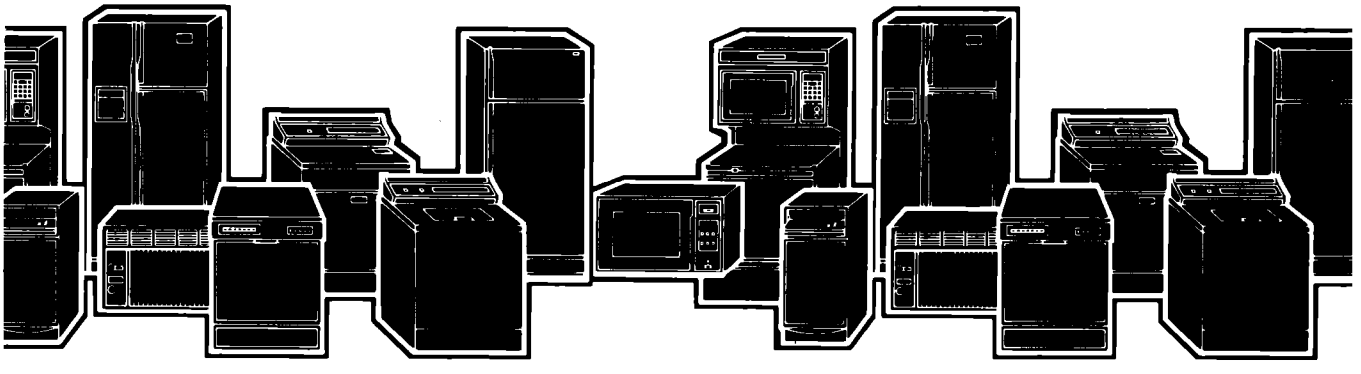
Whirlpool

Estate SERIES

CYCLE DEFROST REFRIGERATOR-FREEZER

Model ET12EC

s, Freezers, Refrigerator-Freezers, Ice Makers, Dishwashers, Built-In Ovens and Surface Units, Ranges, Microwave Ovens, Trash Compactors, Room Air Conditioners, Dehumidifier

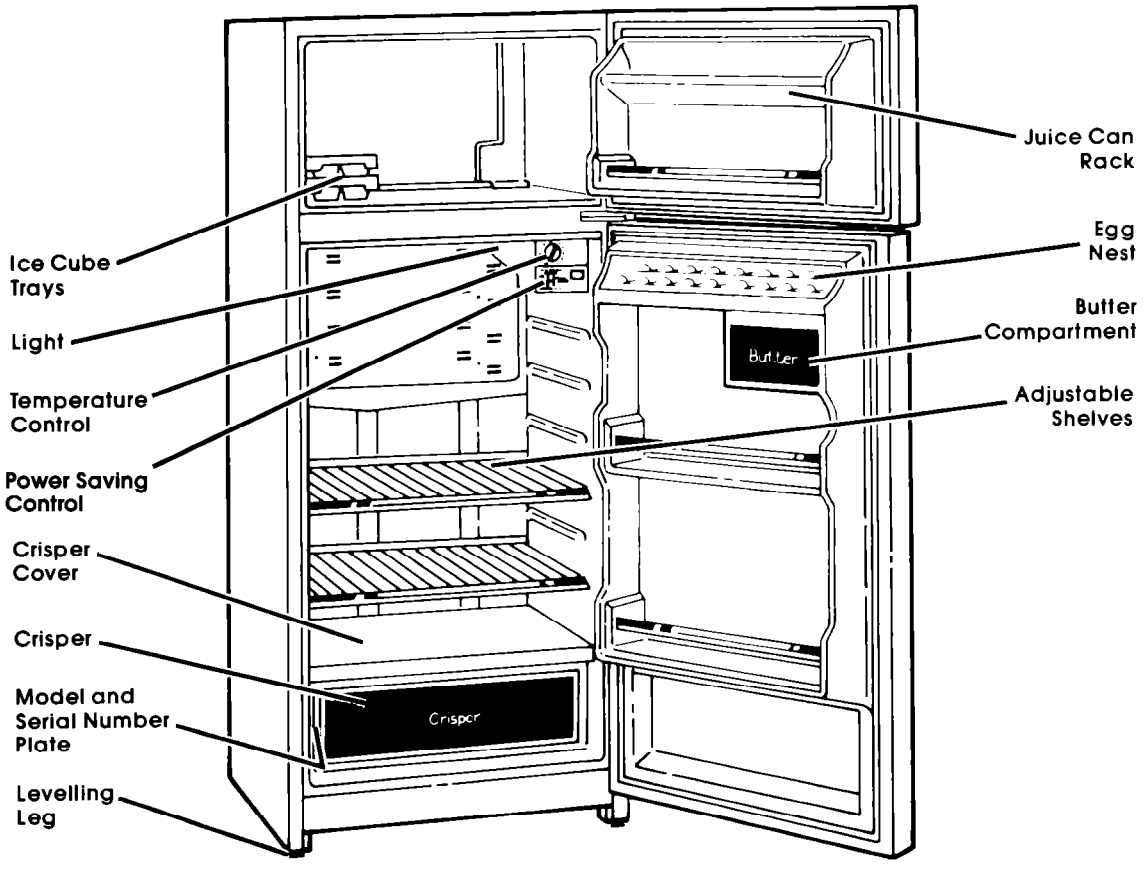


Please read this Use and Care Guide before you do anything else...

This booklet tells you how to start your refrigerator, clean it, move shelves and adjust controls. It even tells you what new sounds to expect from your refrigerator.

Treat your new refrigerator with care. Use it only to do what home refrigerators are designed to do.

Parts and features



Copy your Model and Serial Numbers here...

When you need service or call with a question, have this information ready:

1. **Complete** Model and Serial Numbers (from the plate located as shown).
2. Purchase date from sales slip.

Copy this information in these spaces. Keep this book, your warranty and sales slip together in a handy place.

Model Number

Serial Number

Purchase Date

Service Company and Telephone Number

Contents

	Page
SAFETY FIRST	3
BEFORE YOU PLUG IT IN	3
Install Properly	4
Level Refrigerator-Freezer	4
Remove Sales Labels	4
Clean It	4
Plug It In	4
USING YOUR REFRIGERATOR	5
Setting the Control	5
Power Saving Control	5
Adjusting the Shelves	5
Removing Crisper and Crisper Cover	5
Changing the Light Bulb	6
Ice Cube Trays	6
Sounds You May Hear	6
Energy Saving Tips	6
CLEANING YOUR REFRIGERATOR	7
Defrosting the Freezer	7
Cleaning Chart	8
FOOD STORAGE GUIDE	9
Storing Fresh Food	9
Storing Frozen Food	10
VACATION AND MOVING CARE	10
IF YOU NEED SERVICE OR ASSISTANCE	11
1. Before Calling For Assistance	11
2. If You Need Assistance	11
3. If You Need Service	11
4. If You Have a Problem	11

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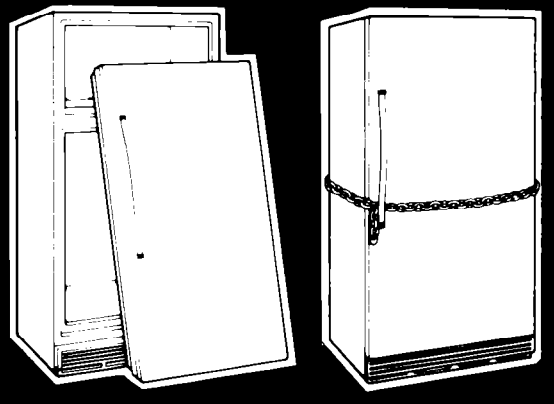
Safety first

Child entrapment, and suffocation, are not things of the past. Junked or abandoned refrigerators are still dangerous...even if they will "just sit in the garage for a few days."

If you are getting rid of your old refrigerator, do it safely. Please read the enclosed safety booklet from the Association of Home Appliance Manufacturers. Help prevent accidents.



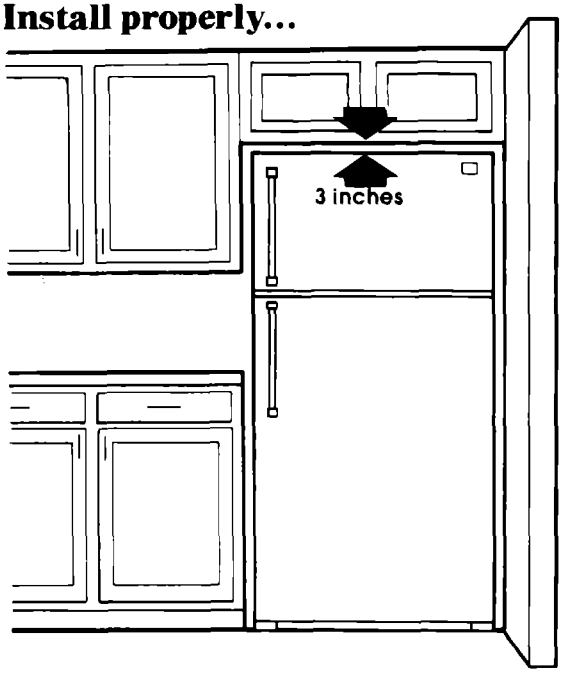
Before you plug it in

IMPORTANT

Before using your refrigerator, you are personally responsible for making sure that it...

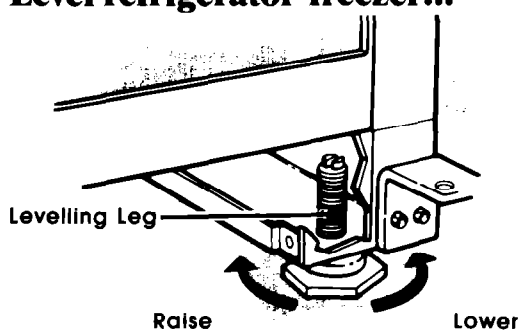
- is installed and leveled on a floor that will hold the weight, and in an area suitable for its size and use.
- is connected only to the right kind of outlet, with the right electric supply and grounding.
- is used only for jobs expected of home refrigerators.
- is not near an oven, radiator or other heat source.
- is properly maintained.
- is out of the weather.
- is used in an area where the room temperature will not fall below 55° F (13° C).
- is not run where there are explosive fumes.
- is not used by children or others who may not understand how it should be used.
- is not loaded with food before it has time to get properly cold.

Install properly...



1. Allow 3 inches (7.5 cm) between overhead cabinets and the refrigerator top.
2. Allow at least an inch (2.5 cm) between the refrigerator condenser and the wall.
3. You don't need space between counters and cabinets and the refrigerator sides. For ease of installation, you might want to leave enough room (½ inch – 1.25 cm) so the refrigerator can be moved easily.
4. If the refrigerator is to be against a wall, you might want to leave enough space so the door can be opened wider.

Level refrigerator-freezer...



1. Keep the 4 bolts that hold refrigerator and shipping crate. They are the levelling legs.
2. Screw these bolts all the way into bolt holes at the bottom corners of refrigerator.
3. Adjust each leg until the refrigerator won't rock. Slide refrigerator into place.
4. Adjust front legs to level the refrigerator.
   – To raise corners, turn legs clockwise.
   – To lower corners, turn legs counterclockwise.
5. Check with level.

Remove sales labels...

Remove the Consumer Buy Guide label, tape and any **inside** labels before using the refrigerator.

To remove any remaining glue:

1. Rub briskly with thumb to make a ball then remove.

OR

2. Soak area with dishwashing detergent solution (1 teaspoon detergent in 1 quart warm water) before removing glue as described in step 1.

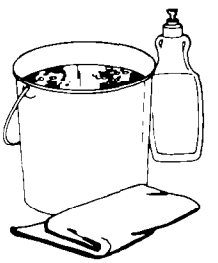
DO NOT USE rubbing alcohol or flammable or toxic solvents, such as acetone, gasoline, carbon tetrachloride, etc. These can damage the material.

NOTE: DO NOT REMOVE ANY PERMANENT INSTRUCTION LABELS INSIDE YOUR REFRIGERATOR.

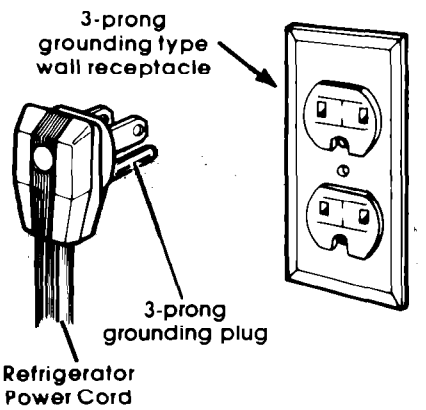
Do not remove the Tech Sheet fastened under the refrigerator at the front.

Clean it...

Clean your refrigerator before using it.
See cleaning instructions on page 7.



Plug it in...

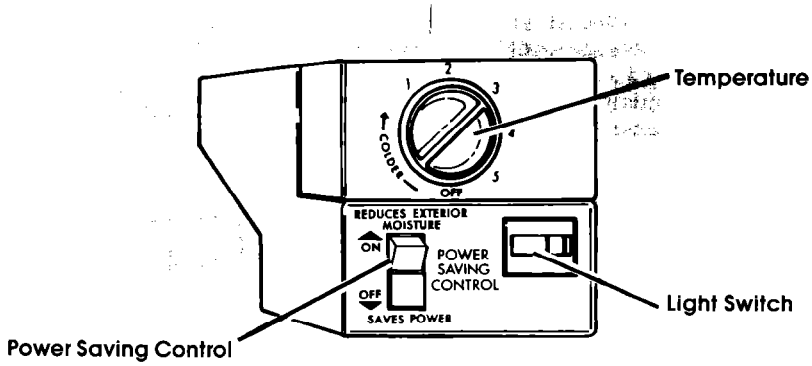


RECOMMENDED GROUNDING METHOD

A 115 Volt, 60 Hz., AC only 15 or 20 ampere fused and properly grounded electrical supply is required. It is recommended that a separate circuit serving only this appliance be provided.

Do not use an extension cord. Use a receptacle which cannot be turned off with a switch or pull chain. See individual electrical requirements and grounding instruction sheet in your literature package.

Using your refrigerator

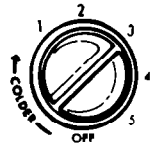


Setting the control...

The Temperature Control is on a console inside the refrigerator in the top right corner. It controls the temperature in both the refrigerator and freezer. Set the control to Number 3.

Give the refrigerator time to cool down completely before adding food. (This may take several hours).

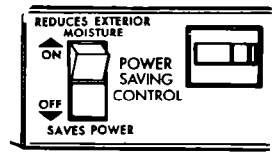
The control will be set about right when milk or juice is as cold as you like.



This setting should be about right for normal household refrigerator usage.

Power Saving Control...

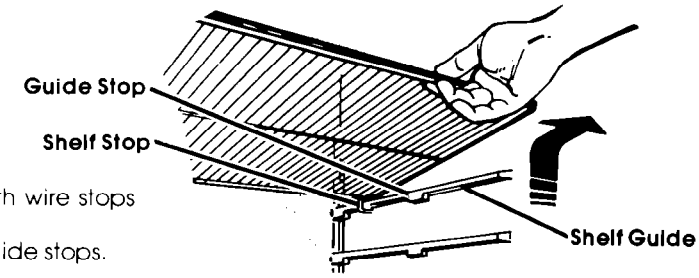
The Power Saving Control on the Control Console operates electric heaters around the door openings. These heaters help keep moisture from forming on the outside of the refrigerator.



1. Use the "OFF" setting when humidity is low.
2. Use the "ON" setting if moisture forms on the outside of the refrigerator.

Adjusting the shelves...

1. First, remove food from shelf.
2. Slide shelf straight out to stop.
3. Lift front.
4. Slide the rest of the way out.



Replacing Shelf:

1. Fit back of shelf on top of guides with wire stops on the bottom of guides.
2. Lift front, slide shelf in until it clears guide stops.

Removing crisper and crisper cover...

Removing Crisper:

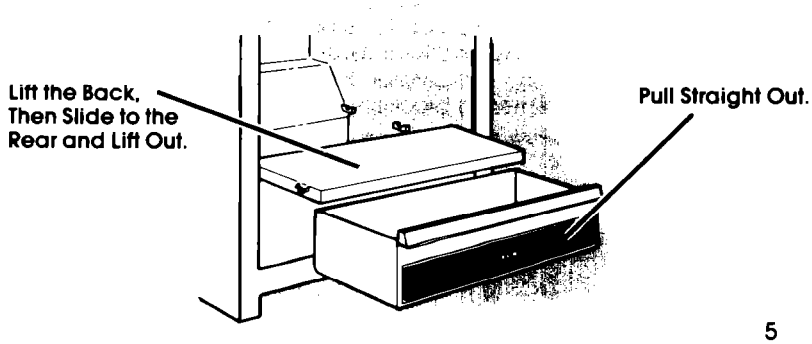
- Slide crisper straight out.

Remove Cover:

1. Lift back, then slide to the rear until the front can be lifted.
2. Lift cover up and out.

Replacing Cover:

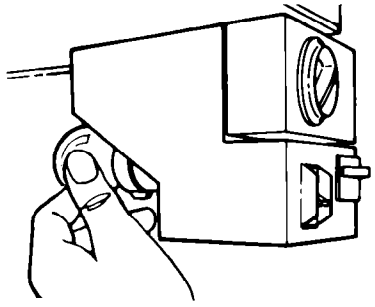
1. Slide the front cover tabs into the back of the front supports on the refrigerator wall.
2. Lower back into place.



Changing the light bulb...

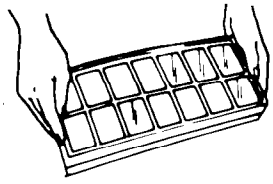
WARNING: Before removing the light bulb, either unplug the refrigerator or disconnect the electricity leading to the refrigerator at the main power supply. Shock and injury can occur if electricity remains connected.

1. Reach behind control console to find bulb.
2. Remove bulb.
3. *Replace with appliance bulb only.*



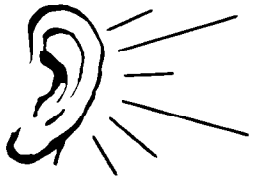
Ice cube trays...

To remove ice:
- Hold tray at both ends.
- Slightly twist.



If cubes are not used, they may shrink. The moving cold air starts a slow evaporation. The longer cubes are stored, the smaller they get.

Sounds you may hear...



Your new refrigerator may make sounds that your old one didn't. Because the sounds are new to you, you might be concerned about them. Don't be. Most of the new sounds are normal. Hard surfaces like the floor, walls and cabinets can make the sounds seem louder.

The following chart describes the kinds of sounds that might be new to you, and what may be making them.

- **Water Sounds:** When the refrigerator stops running, you may hear gurgling in the tubing for a few minutes after it stops. You may also hear defrost water running into the defrost water pan.

- **Running Sounds:** Your refrigerator has a high-efficiency compressor and motor. It will run longer than older designs. It may even seem to run most of the time.

Energy saving tips...

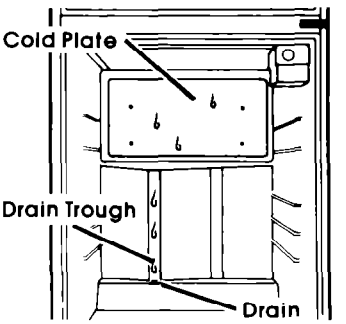
You can help your refrigerator use less electricity.
- Check door gaskets for a tight seal. Level the cabinet to be sure of a good seal.
- Clean the condenser coil regularly.
- Open the door as few times as possible. Think about what you need before you open the door. Get everything out at one time. Keep foods organized so you won't have to search for what you want. Close door as soon as food is removed.
- Go ahead and fill up the refrigerator, but don't overcrowd it so air movement is blocked.
- It is a waste of electricity to set the refrigerator and freezer to temperatures colder than they need to be. If ice cream is firm in the freezer and drinks are as cold as your family likes them, that's cold enough.
- Make sure your refrigerator is not next to a heat source such as a range, water heater, furnace, radiator, or in direct sunlight.
- Keep the Power Saving Control on OFF unless moisture forms on the refrigerator exterior.

Cleaning your refrigerator

The refrigerator section defrosts automatically. The freezer section needs defrosting from time to time. Both sections should be cleaned about once a month to help prevent odors from building up. Of course, spills should be wiped up right away.

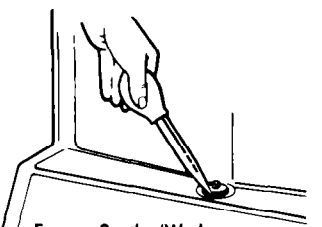
To clean your refrigerator, turn the Temperature Control to "OFF." Unplug it, take out all removable parts, and clean it according to the following directions and the chart on page 8.

There is a cold plate on the back wall at the top of the refrigerator section. When the refrigerator motor runs, frost collects on the cold plate. When the motor turns off, the frost melts.



Water from this melted frost drips into a drain trough just below the cold plate. Then it runs down the back wall and through the drain just above the crisper. The drain leads to a defrost water pan on the top of the refrigerator motor. Heat from the motor evaporates the water.

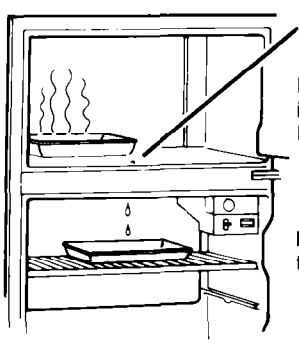
If the drain becomes clogged, force warm water mixed with baking soda through the drain until the water flows freely.



Force Soda/Water Solution Through Drain Cap Openings.

Defrosting the freezer...

The freezer section should be defrosted whenever frost builds up to a ¼-inch (6 mm) thickness. DO NOT USE ANY TYPE OF ELECTRIC DEFROSTER OR SHARP UTENSILS (ICE PICK, KNIFE, ETC.) to speed defrosting. These can cause damage.



1. Put empty pan in the refrigerator on the top shelf in the center.
2. Move frozen food and ice to the refrigerator section.
3. Turn the Temperature Control to "OFF."
4. Close the refrigerator door. Leave the freezer door open.
5. Put a pan of **hot** water in the center of the freezer. This helps melt the frost. Don't place pan over drain hole in center of freezer.
6. Defrost water will drain through drain hole into the pan you put in the refrigerator section. You may have to melt frost from the drain hole by pouring a little hot water around it.
7. Wash the inside of the freezer with a solution of 2 tablespoons (30 mg) of baking soda and one quart (1L) warm water. Rinse well and dry.
8. Remove the pan of defrost water from the refrigerator; put frozen food and ice back into freezer.
9. Reset the Temperature Control.

Cleaning chart...

Part	What to use	How to clean
Removable parts (shelves, crisper.).	Sponge or cloth; mild detergent and warm water.	• Wash removable parts with warm water and a mild detergent. • Rinse and dry.
Outside	Sponge, cloth or paper towel; mild detergent; appliance wax (or good auto paste wax).	• Wash with warm water and a mild detergent. **Do not use abrasive or harsh cleansers.** • Rinse and dry. • Wax painted metal surfaces at least twice a year with appliance wax or a good auto paste wax. Apply wax with a clean, soft cloth. **Do not use wax on plastic parts.**
	Waxing painted metal surfaces provides rust protection.	
Inside walls (Freezer should be allowed to warm up so cloth won't stick.)	Sponge, soft cloth or paper towel, baking soda, warm water, mild detergent.	• Wash with warm water and – mild detergent or – baking soda (2 tablespoons (26 g) to 1 quart (.95 l) warm water • Rinse and dry.
Door liners and gaskets	Sponge, soft cloth or paper towel; mild detergent, warm water.	• Wash with mild detergent and warm water. • Rinse and dry.
	DO NOT USE Cleaning waxes, concentrated detergents, bleaches or cleansers containing petroleum on plastic parts.	
Dark panels	Mild detergent and warm water; soft, clean sponge and soft, clean cloth.	• Wash with a soft grit-free cloth or sponge. • Rinse and dry with a damp grit-free cloth or chamois.
	DO NOT USE paper towels, window sprays, scouring cleansers, or solvents like acetone, benzine, carbon tetrachloride, etc. These can scratch or damage the material.	
Defrost pan (behind refrigerator on top of the motor)	Sponge, cloth or paper towel; warm water and mild detergent.	• Slide refrigerator out away from wall. • Wash defrost pan with warm water and mild detergent. **Do not remove defrost pan to clean.** • Rinse and dry. • Make sure defrost drain tube points into pan. • Slide refrigerator back into place.
Condenser Coil	Use vacuum cleaner with brush attachment.	• Clean dust and lint from condenser coils on back of the refrigerator at least every other month. • Leave one inch (2.5 cm) between wall and condenser coil on back of the refrigerator.

Food storage guide

STORING FRESH FOOD

There is a right way to package and store refrigerated or frozen foods. To keep foods fresher, longer, take the time to study these recommended steps.

Leafy Vegetables...Remove the store wrapping and trim or tear off bruised and discolored areas. Wash in cool water, drain and store in crisper.

Vegetables with Skins (carrots, peppers)...Store in crisper, plastic bags or plastic container.

Fruits ...Wash, let dry and store in refrigerator in plastic bags or crisper. Do not wash or hull berries until they are ready to use. Sort and keep berries in their store container in a crisper, or store in a loosely closed paper bag on a refrigerator shelf.

Meat* . . .Meat is perishable and expensive...you won't want to waste an ounce of it through careless handling. The following list and chart give you packaging hints and time limits.

Fresh, Prepackaged Meat. Store fresh meat in the store wrapping. Vacuum packaged meat can be frozen for as long as one month if the seal is not broken. If you want to keep it frozen longer, you should wrap it with special freezer wrapping material.

Fresh Meat, Not Prepackaged. Remove the market wrapping paper and re-wrap in aluminum foil for storing it unfrozen.

Cooked Meat. Wrap or cover cooked meat with plastic wrap or aluminum foil. Store immediately.

Cured or Smoked Meat and Cold Cuts. Ham, bacon, sausage, cold cuts, etc., keep best in original wrappings. Once opened, tightly re-wrap in plastic wrap or aluminum foil.

Canned Ham. Store in refrigerator unless the label says it's okay to store on the shelf. Do not freeze.

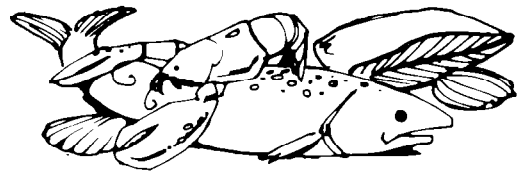
Fresh Poultry...Wrap in plastic wrap. The plastic wrap on poultry, as purchased, may be used for storage.

STORAGE CHART FOR FRESH AND CURED MEAT*

Type	Approximate Time (days)
Variety Meats	1 to 2
Chicken	1 to 2
Ground Beef	1 to 2
Steaks and Roasts	3 to 5
Cured Meats	7 to 10
Bacon	5 to 7
Cold Cuts	3 to 5

*If meat is to be stored longer than the times given, follow the directions for freezing.

NOTE: Fresh fish and shellfish should be used the same day as purchased.



Eggs . . . Store without washing in the original carton or use the egg nest in the door of your refrigerator.

Milk...Wipe milk cartons. For best storage, place milk on interior shelf.

Beverages...Wipe bottles and cans. Store on a door shelf or inside the refrigerator.

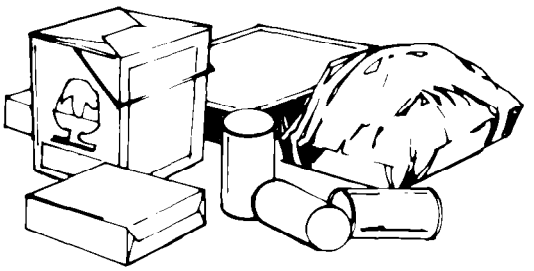
Butter...Keep opened butter in covered dish or in the Butter Compartment. When storing an extra supply, wrap in freezer packaging and freeze.

Cheese . . .Store in the original wrapping until you are ready to use it. Once opened, re-wrap tightly in plastic wrap or aluminum foil.

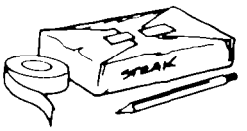
Condiments . . .Store small jars and bottles (catsup, mustard, jelly, olives) on the door shelves where they are in easy reach.

Leftovers...Cover leftovers with plastic wrap or aluminum foil to keep food from drying out and transferring food odors. Plastic containers with tight lids are fine, too.

STORING FROZEN FOOD



The freezer section is designed for storage of commercially frozen foods and for freezing foods at home.



Packaging The secret of successful freezing is in the packaging. The wrap you use must be air, moisture and vapor proof. The way you close and seal the package must not allow air, moisture or vapors in or out.

Rigid polyethylene (plastic) containers with tight-fitting lids, straight-sided canning freezing jars, heavy-duty aluminum foil, plastic-coated paper and non-permeable plastic wraps (such as saran) are recommended. Note: Heat-sealed boiling bags are easy to use and can be used by themselves or as carton liners.

IMPORTANT: Do not expect your freezer to quick-freeze any large quantity of food. Leave enough space for air to circulate around packages. Be careful to leave enough room at the front so the door can close tightly.

Ice Cream... Store in the freezer. Once the package is opened, place a piece of aluminum foil or waxed paper smoothly against the ice cream surface. This will prevent ice crystals from forming.

Packaged Frozen Food ...Store on freezer door shelf or in the freezer. If you plan to store it for a long time, re-wrap it with aluminum foil or plastic wrap.

Frozen Meats* ...The following hints will help keep the quality in your frozen meats:

1. Freeze meat while fresh and in top condition.
2. Use only recommended wrapping materials.
3. Prepare the meat for freezing before wrapping it. Trim off excess fat and remove bones when practical. Meat should not be salted because salt shortens freezer life.
4. Wrap tightly, pressing out as much air as possible.
5. Label and date it.
6. Refreezing thawed meat is not recommended.

Frozen Soups, Juices Store on freezer door shelf or in the freezer.

STORAGE CHART FOR FROZEN FOOD

Storage times given in this chart are only a guide. For best use of freezer space, keep frozen foods for short times. Use, then replace as needed.

Bread	**2 months**
Cooked Dishes	**2-3 months**
Fish and Seafoods	
Fresh	**6 months**
Commercially Frozen	**1-3 months**
Fruits	**6 months**
Ice Cream	**1 month**
Concentrated Juice	**4-6 months**
Meats	
Bacon	**Less than 1 month**
Pork roasts, chops	**3-4 months**
Sausage	**1-2 months**
Beef, veal, lamb roasts	**6 months**
Ground meat	**1-2 months**
Poultry	**3-4 months**
Vegetables	**6 months**

*Courtesy of National Live Stock and Meat Board
*Courtesy of U S D A

Vacation and moving care

Short vacations. . .

No need to shut off the refrigerator if you will be away for less than four weeks. Use up perishables, freeze other items.

Long vacations. . .

Remove all the food if you are going for a month or more.

Unplug the refrigerator and clean it...rinse well and dry. Tape rubber or wood blocks to both doors ...keeping them open far enough for air to get in. This will keep odor and mold from building up.

WARNING: Tape blocks out of a child's reach...do not allow children near the refrigerator when the doors are blocked open. They may become injured or trapped.

To restart refrigerator, see "Using Your Refrigerator."

Moving. . .

Remove all food. Pack frozen foods in dry ice. Unplug the refrigerator and clean it thoroughly.

Remove everything that comes out. Wrap all parts well and tape them together so they don't shift and rattle.

Screw in the levelling legs; tape the doors shut; tape the electric cord to the cabinet. When you get to your new home, put everything back, level it, and refer to page 4.

If you need service or assistance, we suggest you follow these four steps:

1. Before calling for assistance...

Performance problems often result from little things you can find and fix yourself without tools of any kind.

If your refrigerator will not operate:
- Is the electric cord plugged in?
- Is a fuse blown or a circuit breaker tripped?
- Is the Temperature Control turned ON?

If there is a rattling or jingling noise, or other unfamiliar sounds:
- Is something on top or behind the refrigerator making noise when the refrigerator is running?

If there is water in the defrost pan:
- In hot, muggy weather, this is normal. The pan can even be half full. Make sure the refrigerator is level so the pan doesn't overflow.

If the light doesn't work:
- Check fuses and circuit breakers. Make sure it's plugged in.

If a bulb is burned out:
- See instructions for changing light bulbs on page 6. Use appliance bulbs only.

If the motor seems to run too much:
- Is the condenser free of dust and lint?
- On hot days, or if the room is warm, the motor naturally runs longer.
- If the door has been opened a lot, or if a large amount of food has been put in, the motor will run longer to cool down the interior.

Remember: Motor running time depends on different things: number of door openings, amount of food stored, temperature of the room, setting of the controls.

2. If you need assistance*...

Call Whirlpool COOL-LINE® service assistance telephone number. Dial free from:

Continental U.S. ..... (800) 253-1301
Michigan ..... (800) 632-2243
Alaska & Hawaii ..... (800) 253-1121

and talk with one of our trained Consultants. The Consultant can instruct you in how to obtain satisfactory operation from your appliance or, if service is necessary, recommend a qualified service company in your area.

3. If you need service*...

Whirlpool TECH-CARE FRANCHISED SERVICE

Whirlpool has a nationwide network of franchised TECH-CARE® Service Companies. TECH-CARE service technicians are trained to fulfill the product warranty and provide after-warranty service, anywhere in the United States. To locate TECH-CARE service in your area, call our COOL-LINE service assistance telephone number (see Step 2) or look in your telephone directory Yellow Pages under:

APPLIANCES-HOUSEHOLD-MAJOR-SERVICE & REPAIR
WHIRLPOOL APPLIANCES FRANCHISED TECH-CARE SERVICE
SERVICE COMPANIES
XYZ SERVICE CO
123 Maple 999-9999

OR

ELECTRICAL APPLIANCES-MAJOR-REPAIRING & PARTS
WHIRLPOOL APPLIANCES FRANCHISED TECH-CARE SERVICE
SERVICE COMPANIES
XYZ SERVICE CO
123 Maple 999-9999

OR

WASHING MACHINES, DRYERS & IRONERS-SERVICING
WHIRLPOOL APPLIANCES FRANCHISED TECH-CARE SERVICE
SERVICE COMPANIES
XYZ SERVICE CO
123 Maple 999-9999

4. If you have a problem*...

Call our COOL-LINE service assistance telephone number (see Step 2) and talk with one of our Consultants, or if you prefer, write to:

Mr. Stephen E. Upton
Senior Vice President
Whirlpool Corporation
Administrative Center
2000 US-33 North
Benton Harbor, MI 49022

*If you must call or write, please provide: model number, serial number, date of purchase, and a complete description of the problem. This information is needed in order to better respond to your request for assistance.

FSP

FSP is a registered trademark of Whirlpool Corporation for quality parts. Look for this symbol of quality whenever you need a replacement part for your Whirlpool appliance. FSP replacement parts will fit right and work right, because they are made to the same exacting specifications used to build every new Whirlpool appliance.

Whirlpool
Home Appliances

Making your world a little easier.

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